This listing of claims miles hace all prior versions, and listings, of claims in the application:

Listing of Claims:

- A catalyst containing at least one group VIII element and at (Currently Amended) 1. least molybdenum and/or tungsten, said elements being present at least in part in the catalyst in the dry state in the form of at least one heteropolyanion having a structural $_{2x)}\bullet tH_{2}O; M_{x}A_{2}B_{10}O_{38}H_{4}C_{(8\text{-}2x)}\bullet tH_{2}O\left(I^{\prime\prime\prime}\right) \;; or \; M_{x}A_{2}B_{10}O_{38}H_{4}C_{(7\text{-}2x)}\bullet tH_{2}O\left(I^{\prime\prime\prime\prime}\right); wherein \; If \; in the context of the context of$ M is cobalt, nickel, iron, copper, zinc, or mixtures thereof, A is an element from of group VIII of the periodic table for formulae I and I' or one or elements from of group VIII of the periodic table for formulae I", I" and I", B is molybdenum and/or tungsten and C is an H^+ ion and/or a $(NR_1R_2R_3R_4)^+$ type ammonium ion, in which wherein R_1 , R_2 , R_3 and R4, which may be identical or different, and correspond either to a hydrogen atom or to an alkyl group, cesium, potassium, sodium or mixtures thereof, t is a number between from 0 and to 15 and x is 0 to 3/2 in (I), 0 to 2 in (I'), 0 to 3 in (I"), 0 to 4 in (I"') and 0 to 7/2 in (I"") and wherein the number of bonds connecting the group VIII element or elements with the molybdenum and/or tungsten having a length of 3.6 angstroms or less is greater than 2. •
 - 2. (Previously Presented) A catalyst according to claim 1, wherein more than 2 bonds connecting the group VIII element or elements with the molybdenum and/or tungsten have a length of 3.5 angstroms or less in the catalyst in the dry state.
 - 3. (Previously Presented) A catalyst according to claim 1, wherein element A is selected from the group consisting of nickel, cobalt and iron.

- 4. (Previously Presented) A catalyst according to claim 1 comprising, in the dry state, 0.01% to 100% by weight with respect to the total catalyst weight of at least one heteropolyanion with a structural formula selected from the group consisting of formulae I, I', I", I" and I".
- 5. (Previously Presented) A catalyst according to claim 1, comprising at least one porous mineral matrix.
- 6. (Previously Presented) A catalyst according to claim 5, further comprising a zeolitic molecular sieve.
- 7. (Previously Presented) A catalyst according to claim 5 comprising, in the dry state, as a % by weight with respect to the total catalyst weight, 1% to 99.9% of at least one porous mineral matrix, 0.1% to 99% by weight of at least one heteropolyanion having a structural formula selected from the group consisting of formulae I, I', I", I" and I" and 0 to 80% by weight of at least one zeolitic molecular sieve.
- 8. (Previously Presented) A catalyst according to claim 1, wherein the heteropolyanion has a structural formula selected from the group consisting of Co₃Co₂Mo₁₀O₃₈H₄, Ni_{3/2}CoMo₆O₂₄H₆, Co₂CoMo₆O₂₄H₆, Ni₃Co₂Mo₁₀O₃₈H₄, Co₄Ni₂Mo₁₀O₃₈H₄, Co₂NiMo₆O₂₄H₆, Ni₂CoMo₆O₂₄H₆, Co_{3/2} CoMo₆O₂₄H₆, and Ni₂NiMo₆O₂₄H₆.
- 9. (Previously Presented) A catalyst according to claim 1, which has undergone a sulphurization treatment.
- 10. (Previously Presented) In a catalytic process comprising hydrorefining and/or hydroconverting a hydrocarbon feed, said process comprising subjecting said feed to hydrorefining and/or hydroconverting conditions in the presence of a catalyst, the improvement wherein the catalyst is one according to claim 1.

- 11. (Currently Amended) A <u>catalytic</u> process according to claim 10 comprising conducting hydrogenation, hydrodenitrogenation, hydrodeoxygenation, hydrodearomatization, hydrodesulphurization, hydrodemetallization, hydroisomerization, hydrodealkylation or dehydrogenation reactions.
- 12. (Previously Presented) In a catalytic process comprising conducting hydrocracking of a hydrocarbon feed, said process comprising subjecting said feed to hydrorefining and/or hydroconverting conditions in the presence of a catalyst, the improvement wherein the catalyst is according to claim 1.
- 13. (Currently Amended) A <u>catalytic</u> process according to claim 10, <u>in which wherein</u> said hydrocarbon feed contains at least one heteroatom.
- 14. (Previously Presented) A catalyst according to claim 8, wherein the heteropolyanion is $Co_2Mo_{10}O_{38}H_4Co_3$, $CoMo_6O_{24}H_6Ni_{3/2}$, or $NiMo_6O_{24}H_6Ni_2$.

4 PET-2095